ABSTRACT OF THE DISCLOSURE

A method for dynamically partitioning a memory of a recording medium is disclosed. The memory has a first and second block to store the optimal recording power records for CD-R and the recording power records for CD-RW respectively. The method includes predetermining a ratio of memory spaces of the first and second block and selecting a first or second partitioning method to determine the ratio of memory spaces of the first and second blocks when the ratio is not predetermined.